

**AMENDMENTS TO THE CLAIMS**

Please amend the claims as follows:

**LISTING OF CLAIMS:**

Claims 1-24 (Cancelled).

Claim 25. (Currently amended): A method of prevention ~~or treatment of symptoms—or of~~ pathologies associated with androgen signaling, which comprises administering to a subject (mammal or non-mammal, human or pet including birds and fish, or mammal or non-mammal farm animal) in need of such ~~treatment for therapy or prophylaxis~~ an effective amount of lycopene.

Claim 26. (Original): A method as in claim 25 wherein about 0.25 mg to about 50 mg of lycopene are administered per day to a human adult.

Claim 27. (Original): A method as in claim 26 wherein about 1 mg to about 30 mg of lycopene are administered per day to a human adult.

Claim 28. (Previously presented): A method as in claim 25 wherein, additionally, about 15 mg to about 600 mg of vitamin E are administered per day to a human adult.

Claim 29. (Previously presented): A method as in claim 25 wherein, additionally, about 50 to about 1000 mg of vitamin C are administered per day to a human adult.

Claim 30. (Currently amended): A method of ~~preventing treating~~ non-cancerous symptoms and/or pathologies sensitive to lycopene which comprises administering to a mammal, mammal or non-mammal pets including birds and fish, or mammal or non-mammal farm animal in need of such ~~prophylaxis treatment~~ an amount of lycopene which leads to a reduction of androgen signaling.

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Claim 31. (Original): The method according to claim 30, wherein an amount of lycopene is administered which results in a plasma concentration of 0.01 to 6  $\mu\text{M}$ .